

(19) World Intellectual Property
Organization
International Bureau



11 APR 2005

(43) International Publication Date
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number
WO 2004/032678 A3

(51) International Patent Classification⁷: **A47F 5/12**

(21) International Application Number:
PCT/US2003/010996

(22) International Filing Date: 11 April 2003 (11.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/US02/32553 11 October 2002 (11.10.2002) US

(71) Applicant and

(72) Inventor: RUBIN, Lawrence, S. [US/US]; P.O. Box 113,
Long Beach, NY 11561 (US).

(74) Agent: GROLZ, Edward, W.; Scully, Scott, Murphy &
Presser, 400 Garden City Plaza, Garden City, NY 11530
(US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

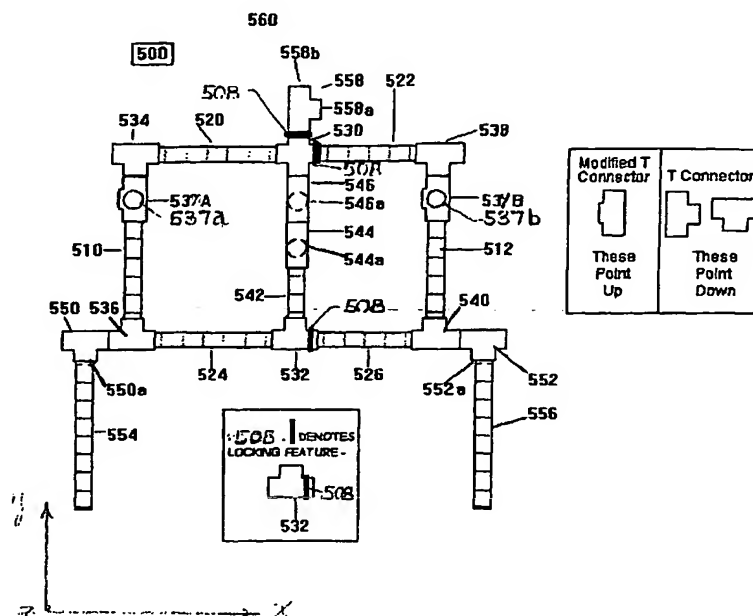
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
1 July 2004

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PORTABLE LIGHT WEIGHT DESK ENABLING MULTIPLE USER POSITIONS



(57) Abstract: A portable light weight desk (500) enabling multiple user positions. The portable desk is configured as a multiple-member frame structure (500) with interchangeable members (510, 512, 524, 526, 532) that allow different configurations of a portable desk. The configurations include an upright configuration particularly suited for placement and use of electronic device in ergonomic positions for the user while laying down on a floor or in a seated position including seated in a vehicle. The portable desk top can also be arranged to be mounted with wheels (572A, 572B) for portability.

WO 2004/032678 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/10996

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A47F 5/12

US CL : 108/1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 108/1, 6, 10, 11, 12, 43, 44, 49, 180, 153.1, 158.11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 1,689,626 A (GALLOWITZ) 30 October 1928 (30.10.1928), see entire document.	3, 12, 13, 14, 15, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 58, 59, 60, 61, 62, 63
A	US 2,460,148 A (ROTH) 25 January 1949 (25.01.1949), see entire document.	1-71
A	US 3,246,611 A (BENLIAN) 19 April 1966 (19.04.1966), see entire document.	1-71
A	US 3,554,139 A (ROSNER) 12 January 1971 (12.01.1971), see entire document.	1-71
A	US 4,850,282 A (POSTIC) 25 July 1989 (25.07.1989), see entire document.	1-71
A	US 4,718,630 A (RICHARD) 12 January 1988 (12.01.1988), see entire document.	1-71
Y	US 4,852,499 A (OZOLS) 01 August 1989 (01.08.1989), see entire document.	42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 58, 59, 60, 61, 62

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 July 2003 (09.07.2003)

Date of mailing of the international search report

20 APR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

for José V. Chen

Telephone No. (703)308-2168

INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,046,206 A (BROYLES) 10 September 1991 (10.09.1991), see entire document.	1-71
X	US 5,562,052 A (GLASHOUWER et al) 08 October 1996 (08.10.1996), see entire document.	1, 2, 4-11, 16-41, 54-57, 64-71
Y		3, 12-15, 42-53, 58-63